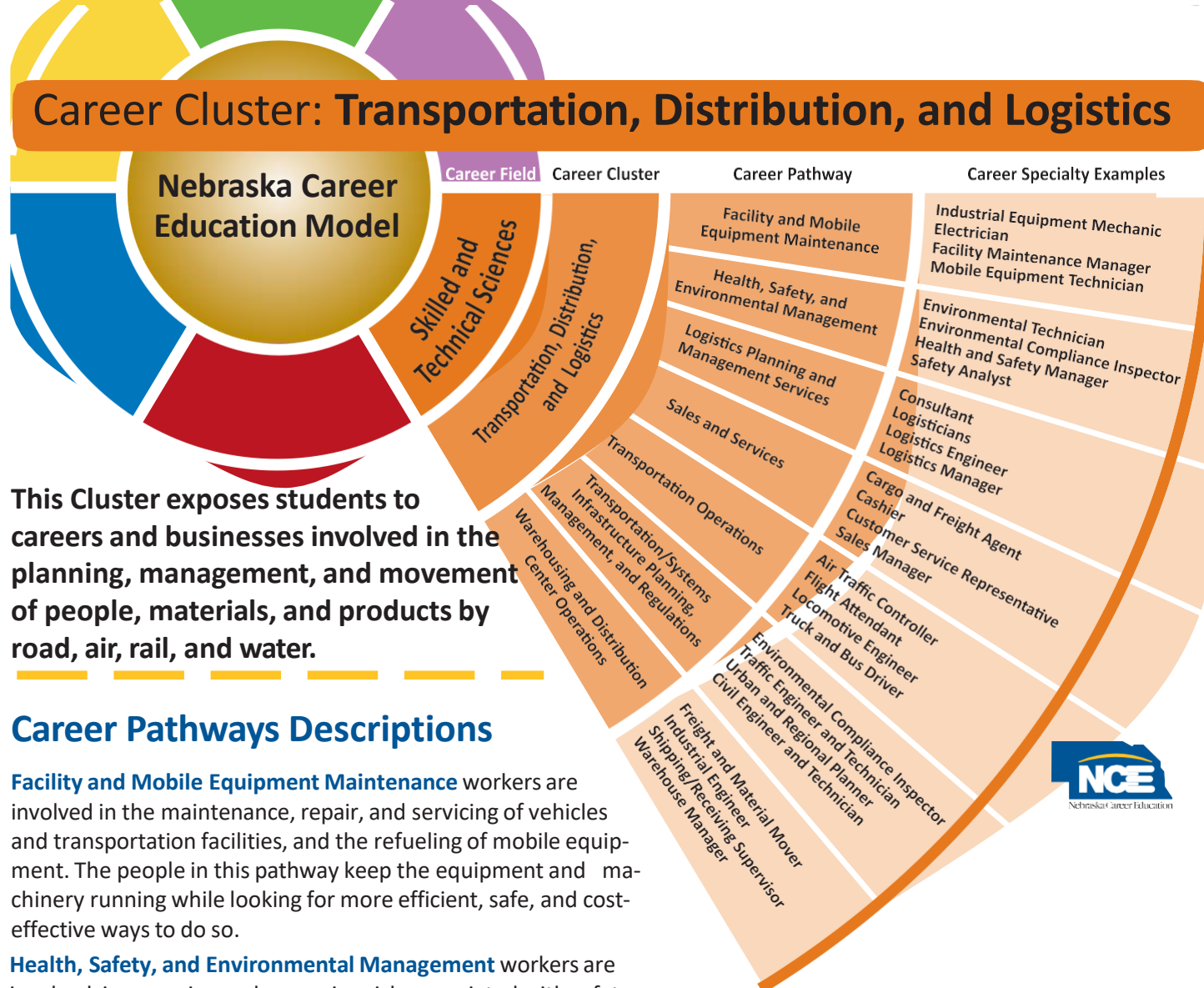


# Career Cluster: Transportation, Distribution, and Logistics



This Cluster exposes students to careers and businesses involved in the planning, management, and movement of people, materials, and products by road, air, rail, and water.

## Career Pathways Descriptions

**Facility and Mobile Equipment Maintenance** workers are involved in the maintenance, repair, and servicing of vehicles and transportation facilities, and the refueling of mobile equipment. The people in this pathway keep the equipment and machinery running while looking for more efficient, safe, and cost-effective ways to do so.

**Health, Safety, and Environmental Management** workers are involved in assessing and managing risks associated with safety and environmental issues. The people employed in this pathway research, plan, and carry out activities to make our environment safer and cleaner.

**Logistics Planning and Management Services** workers are involved in the planning, management, and control of the physical distribution of materials, products, and people.

**Sales and Services** workers are involved in the marketing and selling of transportation services to new customers as well as the management of existing customer relationships and customer service.

**Transportation Operations** workers drive or pilot the vehicles that transport people and freight.

**Transportation/Systems Infrastructure Planning, Management, and Regulation** workers deal with all aspects of the design and operation of our public transportation systems--road, air, sea, and rail. These functions are primarily the responsibility of people who are employed by federal, state, and local transportation agencies.

**Warehousing and Distribution Center Operations** workers focus on the operation of transportation and distribution facilities including ports, terminals, warehouses, and other types of facilities. All cargo needs to be tracked, sorted, labeled, and loaded accurately and safely. Timing is also important, since many loads must adhere to a schedule in order to satisfy the needs of the customer.

*Would you enjoy working outdoors in all kinds of weather?*

*Do you have good eyesight and quick reflexes?*

*Can you estimate distances accurately?*

*Do you drive trucks or tractors to do work on a farm?*

*Would you like to learn to fly an airplane?*

*Do you repair your or your family's and friends' vehicles?*

*Do you like to read automotive or mechanical magazines?*

# Occupations Examples

## Levels of Education and Earnings\*

\* Data from AZCIS

	National Annual Median Wage	Arizona Annual Median Wage
Short-Term, On-the-Job Training (Less than One Month)		
<a href="#">Couriers and Messengers</a>	\$27,280	\$27,380
<a href="#">Forklift Operators</a>	\$32,090	\$30,870
<a href="#">Parking Lot Attendants</a>	\$20,630	\$21,800
<a href="#">School Bus Drivers</a>	\$29,490	\$27,910
<a href="#">Service Station Attendants</a>	\$21,560	\$22,090
<a href="#">Tank Car, Truck, and Ship Loaders</a>	\$36,660	\$46,860
<a href="#">Taxi Drivers and Chauffeurs</a>	\$23,510	\$22,660
<a href="#">Tire Repairers and Changers</a>	\$24,220	\$22,720
<a href="#">Vehicle Cleaners</a>	\$21,310	\$19,530
Moderate-Term, On-the-Job Training (One to Twelve Months)		
<a href="#">Ambulance Drivers</a>	\$23,740	not available
<a href="#">Auto Glass Installers</a>	\$33,830	\$33,620
<a href="#">Bicycle Repairers</a>	\$27,470	\$28,050
<a href="#">Bus Drivers</a>	\$38,290	\$35,720
<a href="#">Dispatchers</a>	\$37,150 - \$38,010	\$33,290 - \$43,180
<a href="#">Flight Attendants</a>	\$44,860	\$37,660
<a href="#">Locomotive Engineers</a>	\$45,780 - \$56,240	\$58,870
<a href="#">Train Conductors and Yardmasters</a>	\$55,930	\$59,730
Long-Term, On-the-Job Training (Over One Year)		
<a href="#">Air Traffic Controllers</a>	\$122,950	\$95,920
<a href="#">Auto Body Repairers</a>	\$40,970	\$43,020
<a href="#">Bus and Truck Mechanics</a>	\$44,520	\$43,980
<a href="#">Heavy Equipment Mechanics</a>	\$48,770	\$48,120
<a href="#">Motorboat Mechanics</a>	\$38,280	\$40,690
Work Experience in a Related Occupation		
<a href="#">Storage and Transportation Managers</a>	\$86,630	\$72,220
Postsecondary Vocational Training (Certificate or Diploma)		
<a href="#">Aircraft Mechanics</a>	\$58,370 - \$58,540	\$54,220 - \$58,680
<a href="#">Airplane Pilots</a>	\$76,150 - \$117,290	\$66,490 - \$129,390
<a href="#">Automobile Mechanics</a>	\$37,850	\$37,900
<a href="#">Automotive Electronics Installers</a>	\$31,360	\$27,490
<a href="#">Heavy Truck Drivers</a>	\$40,260	\$38,680
<a href="#">Motorcycle Mechanics</a>	\$34,220	\$33,420
<a href="#">Ship Pilots</a>	\$76,780	\$87,270



# Career Plan of Study

Learner Name \_\_\_\_\_

Date \_\_\_\_\_

Learner Signature \_\_\_\_\_

Advisor Signature \_\_\_\_\_

Parent/Guardian Signature (if required) \_\_\_\_\_

*This plan of study should serve as a guide, along with other career planning materials, as you continue your career path. Courses listed within this plan are only recommended coursework and should be individualized to meet each learner's educational and career goals. All plans should meet high school graduation requirements as well as college entrance requirements.*

High School	9 <sup>th</sup> Grade	10 <sup>th</sup> Grade	11 <sup>th</sup> Grade	12 <sup>th</sup> Grade
	English I	English II	English III	English IV
	Algebra I or Geometry	Geometry or Algebra II	Algebra II, Trigonometry or Statistics	Trigonometry or Statistics
	Physical Science or Biology I	Biology I or Chemistry I	Chemistry, or Physics	Physics
	Geography/State History	World History	American History	Economics/Government
	<b>Required Courses/Electives</b> PE, Health, Art, Foreign Language, or Computer Technology <b>Career Electives</b> TechConnect Transportation Technology Education Agriscience I	<b>Required Courses/Electives</b> PE, Health, Art, Foreign Language, or Computer Technology <b>Career Electives</b> TechConnect Transportation Technology Education Agriscience II	<b>Additional High School Electives</b> Agriculture Power & Technology Auto Mechanics	<b>Technology Center Electives</b> Auto Collision Auto Service Technology Aviation/Avionics or Aviation Mechanics Diesel Service Technology Heavy Equipment Repair Marine Service Technology Motorcycle Mechanics
Post-Secondary	Career/Technical College	Community College		College/ University
	<ul style="list-style-type: none"> <li>Auto Collision</li> <li>Auto Service Technology</li> <li>Aviation Maintenance Technology</li> <li>Diesel Service Technology</li> <li>Heavy Equipment Repair</li> <li>Marine Service Technology</li> <li>Motorcycle Mechanics</li> <li>Truck Driver Training</li> </ul>	<ul style="list-style-type: none"> <li>Automotive Collision Repair</li> <li>Automotive Service Pro-Tech</li> <li>Heavy Equipment &amp; Vehicle Institute</li> <li>Automotive Technology</li> <li>Aviation Maintenance Technology</li> <li>Business Logistics</li> <li>Warehouse Management</li> </ul>		<ul style="list-style-type: none"> <li>Engineering</li> <li>Mechanical Engineering</li> <li>Aerospace Engineering</li> <li>Mechanical Engineering Technology</li> </ul>
Career Enhancement Options	Work-based Learning Options	Short-Term Training Options		
	Job-Shadowing: Internship/Mentorship:  On-The-Job Training: Apprenticeships:	<ul style="list-style-type: none"> <li>Safety Training</li> <li>Commercial Drivers License</li> <li>Defensive Driving</li> </ul>	<ul style="list-style-type: none"> <li>Small Engine Repair</li> <li>Automatic Transmissions</li> <li>Intro to Pneumatics and Hydraulics</li> <li>Medium/Heavy Truck Brakes</li> </ul>	

[https://azcis.intocareers.org/portfolio/activities/cc\\_plans\\_study.html](https://azcis.intocareers.org/portfolio/activities/cc_plans_study.html)